

## **APPENDIX A**

### **ON-ROAD HEAVY-DUTY VEHICLES PROJECT APPLICATION**

**Carl Moyer Memorial Air Standards Attainment Program  
INTER-DISTRICT ON-ROAD HEAVY-DUTY VEHICLE PROJECT  
APPLICATION**

This application is for incentive funds for the purchase of new, reduced-emission on-road heavy-duty vehicles, vehicle repowers, and engine retrofits operating in more than one district.

Please provide the following information regarding your proposed purchase and application. Additional information may be requested during the review process if needed. Applicant acknowledges that award of cash incentive is conditional upon approval of the ARB and must meet the minimum eligibility criteria.

Within three weeks of submission, you will either be notified that your application is complete, or provided with a list of deficiencies. Completed applications fulfilling the criteria will be approved within 60 working days of receipt. If you have any questions regarding the application process, please contact:

Ms. Erin Dooley at (916) 323-8975, or  
Ms. Rosalva Tapia at (916) 322-6973

† CHECK LIST FOR APPLICATION ITEMS †

**Be sure the following items are included with your application submittal. Check each applicable box below to indicate inclusion of material.**

- † Completed Applicant Information Form
- † Letter of Agreement from Fuel Provider (if applicable)
- † Co-funding Information (if applicable)
- † Other \_\_\_\_\_

† **CHECK LIST FOR ELIGIBILITY CRITERIA** †

**Please check each applicable box below to indicate eligibility of proposed heavy-duty vehicle/engine technology project.**

The reduced-emission engine/technology:

- † is certified for sale in California, or
- † is under experimental permit for operation in California,

***and***

A. For new vehicle purchase projects:

- † New engine certified to ARB NOx emission credit standard that is at least 30 percent lower than the baseline NOx emission level of the engine being replaced.

B. For vehicle repower projects:

- † Pre-1987 model year heavy-duty trucks—the replacement engine is a mechanical engine certified to a NOx emission level of 6.0g/bhp-hr or better.
- † Pre-1987 model year replacement engine is a certified engine manufactured on or after October 1, 2002.
- † Post-1987 model year electronic engine replacement engine is a certified heavy-duty electronically controlled engine manufactured on or after October 1, 2002.

C. For retrofit kit or add-on equipment projects:

- † shows at least a 15 percent reduction of NOx emissions, and no significant increase in particulate emissions, compared to the applicable standards for that engine year and type of application through:
  - † California Air Resources Board (ARB) certification testing,
  - † U.S. Environmental Protection Agency (EPA) certification testing, or
  - † Emission testing at a laboratory approved by U.S. EPA or ARB.
- † The retrofit technology is warranted by retrofit manufacturer and/or authorized dealer.

- D. For Auxiliary Power Unit (APU) projects.
  - † Shows at least 15 percent reduction in NOx emissions over the heavy duty diesel truck baseline idling emission rate.
  - † The engine used in the APU is certified by the ARB and the APU is equipped with an hour meter.
- E. The purchase is not required by any local, state, or federal rule or regulation, or used to comply with any such rule or regulation.
- F. The purchase is not required by any local, state, or federal MOU or MOA.
- G. Claimed idle time, as a minimum, must occur for at least five (5) years from the date the vehicle is placed into service with the new technology.

## ON-ROAD HEAVY-DUTY VEHICLE APPLICATION

Please Print or Type All Information on This and Any Attached Applications.

<b>A. APPLICANT INFORMATION:</b>		
Organization/ Company Name:		
Project Name:		
Contact name:		
Person with contract signing authority:		
Street/mailling address:		
City:	State:	Zip code:
Phone: (     )	Fax: (     )	
E-mail:		
Geographic area served by organization:		
Geographic area to be served by vehicle (if different than above):		
Number of heavy-duty vehicles in fleet:		
Address of Depot/Station Vehicle:		

**Please check one:**

- † Vehicle is in line haul service  
† Vehicle is in other heavy-duty services (Describe:\_\_\_\_\_)

**I hereby certify that all information provided in this application and any attachments are true and correct.**

Printed Name of Responsible Party:	Title:
Signature of Responsible Party:	Date:

## NEW HEAVY-DUTY VEHICLE PURCHASE APPLICATION SECTION

<b>B. GENERAL INFORMATION ABOUT EACH NEW HEAVY-DUTY VEHICLE</b>	
1. Number of vehicle(s) purchased:	
2. Fuel type:	
3. Primary function of vehicle (e.g., line haul, local deliver, or passenger):	
4a. Estimated total annual hours of operation:	4b. Approximate percent within district boundaries:
5a. Estimated total annual mileage:	5b. Approximate percent within California:
6. Estimated annual fuel consumption (in gallons) for each vehicle:	
7. Is there any seasonality to the use of the vehicle? YES / NO If Yes, please explain:	

<b>NEW REDUCED-EMISSION VEHICLE</b>
8. Vehicle Class:
9. Vehicle make:
10. Vehicle model:
11. Model year:
12. Gross Vehicle Weight Rating (GVWR):
13. Engine make:
14. Engine model number:
15. Horsepower:
16. New Engine NOx Emission Factor:
17. New Engine PM Emission Factor :
18. Estimated vehicle life:

19. Estimated replacement schedule:
20. Cost of new heavy-duty vehicle that meets current emission NOx standard (4.0 g/bhp-hr):
21. Cost of new heavy-duty vehicle that meets ARB optional NOx standards ( $\leq 2.5$ g/bhp-hr):
22. Differential cost of project:

**Please check one:**

- † New reduced-emission vehicle meets ARB optional NOx standard of 2.5 g/bhp-hr or less.
- † New reduced-emission vehicle does not meet ARB optional NOx standard of 2.5 g/bhp-hr or less.

**C. GENERAL INFORMATION ABOUT THE MANUFACTURER/DEALER**

Complete the appropriate information, then go to Section F.

NEW HEAVY-DUTY VEHICLE WITH A NEW REDUCED-EMISSION ENGINE	
Manufacturer/Dealer:	
Street address:	
City:	State:
Phone: (     )	Fax: (     )
Contact name:	

## HEAVY-DUTY VEHICLE REPOWER/RETROFIT APPLICATION SECTION

**Please check one:**

- † Repowering a heavy-duty vehicle with a new reduced-emission engine
- † Retrofitting a heavy-duty engine with a new reduced-emission technology
- † Installing an auxiliary power unit to reduce idling emissions

<b>D. GENERAL INFORMATION ABOUT EACH ENGINE FOR REPOWER OR RETROFIT</b>	
1. Number of engines, or APUs to be purchased/retrofitted:	
2. Fuel type:	
3. Primary function of each vehicle (e.g., line haul, local delivery, or passenger):	
4a. Estimated total annual hours of operation or annual hours idling time in California:	4b. Approximate percent within each district's boundaries: (or total California idling time)
5a. Estimated total annual mileage:	5b. Approximate percent within California :
6. Estimated annual fuel consumption (in gallons) for each vehicle/APU:	
7. Is there any seasonality to the use of the vehicle/APU? <u>YES / NO</u> If Yes, please explain:	

<b>CURRENT VEHICLE/ENGINE</b>	<b>NEW REDUCED-EMISSION ENGINE/RETROFIT/APU</b>
8. Vehicle make/model:	Vehicle make/model: <i>Same as current</i>
9. Model year:	Model year: <i>Same as current</i>
10. Engine make:	Engine make:
11. Engine model number:	Engine model number:
12. Serial number of engine:	Serial number of engine:
13. Horsepower:	Horsepower:
14. Average vehicle life:	Estimated remaining vehicle life:
15. Typical rebuild/replacement schedule:	Estimated rebuild/replacement schedule:
16. NOx Emissions Factor:	NOx Emissions Factor: (For APU, certified NOx and HC Emission Factor (g/hr)):



17. PM Emissions Factor:	PM Emissions Factor:
18. Cost of replacing or rebuilding engine: \$	Cost of replacing or rebuilding engine: \$
19. Cost of replacing or rebuilding engine with low emission technology: \$	Cost of replacing or rebuilding engine with low emission technology: \$
20. <i>No current cost</i>	Capital cost of APU:
21. <i>No current cost</i>	Installation Cost of APU:
22. <i>No current cost</i>	APU Load Factor:

**Please check one:**

- † Repower of pre-1987 heavy-duty vehicles, achieves at least 15 percent NOx emission reductions from existing NOx emission standards.
- † Retrofit kit is certified to reduce NOx emissions by at least 15 percent and complies with ARB emission credit standards.
- † Install APU in HDV that achieves at least 15 percent NOx idling emission reduction.
- † Proposed repowering or retrofitting projects does not achieve the required emission reductions.

**Complete the appropriate information, then go to Section F.**

**E. GENERAL INFORMATION ABOUT THE INSTALLER**

<b>REDUCED-EMISSION HEAVY-DUTY ENGINE FOR REPOWER (replacement)</b>	
Engine installer:	
Street address:	
City:	State:
Phone: (     )	Fax: (     )
Contact name:	

**OR**

**HEAVY-DUTY VEHICLE REPOWER/RETROFIT/APU APPLICATION SECTION**  
**(continued)**

<b>RETROFIT/APU TECHNOLOGY</b>	
Retrofit/APU manufacturer:	
Retrofit/APU Installer:	
Installer street address:	
City:	State:
Phone: (     )	Fax: (     )
Contact name:	Retrofit kit number:
Description of Retrofit/APU technology:	

**ALL APPLICANTS MUST COMPLETE THE FOLLOWING SECTION.**

<b>F. OTHER INFORMATION</b>
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<b>REFUELING (for alternative fuels)</b>
Describe how, and where the vehicle will be refueled (e.g. on-site, existing facility, mobile/skid mounted equipment, etc.) Attach written verification of access to refueling facility.

<b>PROJECT TIMING/SCHEDULE</b>
Estimated Schedule for vehicle replacement, repower, retrofit, or APU installation: